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Patent- und Rechtsanwaltsbüro

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サーチレポート

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Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire

Denso Corporation

COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

☒ Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

☒ abstract

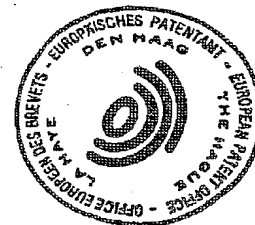
☒ title

☐ The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract: 1

REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 01 11 7875

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
A	EP 0 920 111 B (DENSO CORP) 2 June 1999 (1999-06-02) * claim 1; figure 2 *	1	H02K11/04 H02K11/00 H02K5/22 C23F13/00
A	PATENT ABSTRACTS OF JAPAN vol. 015, no. 161 (E-1060), 23 April 1991 (1991-04-23) & JP 03 032340 A (MATSUSHITA ELECTRIC IND CO LTD), 12 February 1991 (1991-02-12) * abstract *	1, 2	
A	US 4 694 211 A (KLUGE HERMANN ET AL) 15 September 1987 (1987-09-15) Abstract * column 2, line 60 - line 68; figure 1 *	1, 2	
A	US 4 093 529 A (STROBACH CARL G) 6 June 1978 (1978-06-06) Abstract	1	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			H02K C23F
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 22 November 2002	Examiner Zoukas, E
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 01 11 7875

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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22-11-2002

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0920111	B	02-06-1999	JP 11164537 A	18-06-1999
			DE 69803971 D1	04-04-2002
			EP 0920111 A2	02-06-1999
			US 6034452 A	07-03-2000
JP 03032340	A	12-02-1991	NONE	
US 4694211	A	15-09-1987	DE 3522835 A1	02-01-1987
			BR 8602908 A	17-02-1987
			JP 62002831 A	08-01-1987
US 4093529	A	06-06-1978	BE 837428 A2	09-07-1976
			DE 2557031 A1	22-07-1976
			FR 2297928 A1	13-08-1976
			IT 1053326 B	31-08-1981
			JP 1031860 C	29-01-1981
			JP 51084444 A	23-07-1976
			JP 55021830 B	12-06-1980
			LU 74205 A1	23-07-1976
			NL 7515138 A	22-07-1976